Anthropogenic and disaster-made urban soil from constructing debris

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Abstract: Urban manmade and disaster-related soils inadvertently produced from earthquakes (quakes), tornadoes (whirl winds) landslides (slides), liquefaction, hurricanes (typhoons), and conflict and warfare zones are generally abundant in medium to coarse angular, non-sorted, heterogeneous aggregate. They're composed of architectural or construction debris: concrete, brick, stone, masonry, iron, copper, aluminum, wood, trees, shrubs, asbestos, plastic, ceramic, and glass. These alkaline and calcareous manmade and disaster-made urban soils are well to excessively drained; highly permeable; non-expansive, and low in carbon, organic matter, and fertility; and erosion resistant with high bearing capacity. Generally, a collapsed 250-high modern building produces about a yard of construction debris, and less than a foot of compacted anthrosol.

Subject: Anthropogenic and disaster-made urban soil from constructing debris, abstract for OJSS

Greetings, would you be interested in a short article on my research on the subject? My research is based on my field observations, training, literature review, and studies performed for FEMA in Houston and USAID in Asia and the Near East. I don't care if my article is peer reviewed or not. Thanks so much.

Abstract: Urban manmade and disaster-related soils inadvertently produced from earthquakes, tornadoes, hurricanes, and conflict and warfare zones are generally abundant in medium to coarse angular, non-sorted, heterogeneous aggregate. They're composed of architectural or construction debris: concrete, brick, stone, masonry, iron, copper, aluminum, wood, asbestos, plastic, ceramic, and glass. These alkaline and calcareous manmade and disaster-made urban soils are well to excessively drained; highly permeable; non-expansive, low in carbon, organic matter, and fertility; and erosion resistant with high bearing capacity. Generally, a collapsed 250-high modern building produces about a yard of construction debris, and less than a foot of compacted anthrosol.

Key terms: Aggregate, Alkaline soil, Anthropogenic soil, Anthrosol, Calcarious soil, Construction debris, Disaster-made soil, Urban soil

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